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IN THE CLAIMS

1. (currently amended) A communication system enabling communications between a subscriber and a station, comprising:

a delivery device installed on a station side, said delivery device including delivery means for controlling delivery of a media stream, accounting control means for performing accounting control based on media quality information transmitted from a subscriber side, [[and]] authentication means for authenticating a device which is to receive the media stream, and lost data extracting means for extracting lost data from the media stream content;

wherein said accounting control means calculates a charge based on the media quality information and pays back a proper amount of money to the subscriber, in cases where degradation of the media stream;

wherein said lost data extracting means specifies a lost part of media stream, based on the media quality information, an algorithm identifier, and an initial value of the sequence number, and generates lost data information; and

wherein the algorithm identifier is an identifier indicative of a size in accordance with which the media stream is packetized, and the initial value of the sequence number denotes a sequence number assigned to a first packet obtained by packetizing the media stream; and

a terminal device installed on the subscriber side, said terminal device including receiving means for controlling reception of the media stream, connection information management means for managing connection information for specifying the media stream, [[and]] media quality measurement control means for controlling measurement of media quality of the specified media stream, performing media quality measurement control in which a loss of packet is detected by continuity of packets of the specified media stream, generating the media

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quality information including a measurement result and transmitting the generated media quality information to the station, and quality recovery means for receiving the lost data information and recovering quality of the media stream wherein

~~said accounting control means calculates a charge based on the media quality information and pays back a proper amount of money to the subscriber, in cases of degradation of the media stream;~~

~~said media quality measurement control means performs media quality measurement control in which a loss of packet is detected by continuity of packets of the specified media stream;~~

~~said media quality measurement control means uses both a time stamp and a sequence number in the packet to measure the continuity of packets;~~

~~said media quality measurement control means detects that at least $(b - a + 1)$ packets are missing, if a packet $P(a, t)$ is followed by a packet $P(b, s)$~~

~~where a and b are the respective sequence number, t and s are the respective time stamp.~~

2-11. (canceled)

12. (currently amended) A communication system enabling communications between a subscriber and a station, comprising:

a delivery device installed on a station side, said delivery device including delivery means for controlling delivery of a media stream, accounting control means for performing accounting control based on media quality information transmitted from a subscriber side, and authentication means for authenticating a device which is to receive the media stream; and

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a terminal device installed on the subscriber side, said terminal device including receiving means for controlling reception of the media stream, connection information management means for managing connection information for specifying the media stream, and media quality measurement control means for controlling measurement of media quality of the specified media stream, generating the media quality information including a measurement result and transmitting the generated media quality information to the station,

wherein said media quality measurement control means performs media quality measurement control in which a degradation index of I picture, P picture, and B picture in MPEG a media unit is are calculated,

wherein said media quality measurement control means cumulates a degree of influence of propagation of error that occurred on ~~the specified media stream~~ either one of the I picture, the P picture, and the B picture earlier in time than a picture being replayed to calculate the degradation index and transmits the degradation index as the media quality information to the station, and

wherein said accounting control means normalizes the degradation index that is a cumulative degradation value measured from the beginning through to the end of a program and calculates a charge based on the normalized degradation index and pays back a proper amount of money to the subscriber, depending on the state of the degradation of the media stream.

13. (canceled)

14. (currently amended) A communication system enabling communications between a subscriber and a station, comprising:

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a delivery device installed on a station side, said delivery device including delivery means for controlling delivery of a media stream, accounting control means for performing accounting control based on media quality information transmitted from a subscriber side, and authentication means for authenticating a device which is to receive the media stream; and

a terminal device installed on the subscriber side, said terminal device including receiving means for controlling reception of the media stream, connection information management means for managing connection information for specifying the media stream, and media quality measurement control means for controlling measurement of media quality of the specified media stream, generating the media quality information including a measurement result and transmitting the generated media quality information to the station,

wherein said media quality measurement control means performs media quality measurement control in which a degradation index of I picture, P picture, and B picture in MPEG a media unit is are calculated,

wherein said media quality measurement control means cumulates a degree of influence of propagation of error that occurred on the specified media stream either one of the I picture, the P picture, and the B picture earlier in time than a picture being replayed to calculate the degradation index and transmits the degradation index and a position information of a degraded frame as the media quality information to the station,

wherein said accounting control means causes a degree of importance of the degraded media unit to be reflected in a calculation of a charge with reference to the position information, and

wherein the degree of importance is an extent to which a viewer is satisfied with the delivered media.

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